SDMS US EPA Region V

Imagery Insert Form

Document ID: 169910

Some images in this document may be illegible or unavailable in SDMS. Please see reason(s) indicated below:

☐ Illegible due to bad source documents. Image(s) in SDMS is equivalent to hard copy.

Specify Type of Document(s) / Comments:

☒ Includes __X__ COLOR or _____ RESOLUTION variations.
Unless otherwise noted, these images are available in monochrome. The source document page(s) is more legible than the images. The original document is available for viewing at the Superfund Records Center.

Specify Type of Document(s) / Comments:

PHOTOGRAPHS

☐ Confidential Business Information (CBI).
This document contains highly sensitive information. Due to confidentiality, materials with such information are not available in SDMS. You may contact the EPA Superfund Records Manager if you wish to view this document.

Specify Type of Document(s) / Comments:

☐ Unscannable Material:
Oversized _____ or _____ Format.
Due to certain scanning equipment capability limitations, the document page(s) is not available in SDMS. The original document is available for viewing at the Superfund Records center.

Specify Type of Document(s) / Comments:

☐ Document is available at the EPA Region 5 Records Center.

Specify Type of Document(s) / Comments:

Rev. 07/10/02

K-4
7/10/98
169910

Versar INC.

9 July '98

Vince L. Epps
IDEM
100 North Senate Avenue
P.O. Box 6015
Indianapolis, IN 46206-6015

Michael McAteer
USEPA, HSRW-6J
77 West Jackson Blvd.
Chicago, IL 60604-3590

Re: Enviro-Chem Superfund Site
Monthly Construction Progress Report Number 7
June 1998

This Monthly Progress report has been prepared in accordance with Section XII of the Consent Decree entered September 10, 1991, Number 83419C, U.S.D.C. District of Indiana.

(1) Actions Taken Toward Achieving Compliance with Decree

a. Versar completed all the SVE trenches and piping systems in the north field native soil. (100% complete)

b. Versar completed the connection of the native soil piping to the SVE System in the Process Building. The SVE system for the native soil was started up and checked out and has been operating since 22 June. (100% complete)

c. Versar completed a 20-foot wide haul road with crushed concrete and South Concrete Pad (SCP) sub base material. This roadway is inside the remedial boundary running north to south terminating at the SCP area. (100% complete)

d. The remainder of the SCP sub base has been excavated, crushed and placed in the north field area. (100% complete)

e. The perimeter air monitoring stations have been set in place and been in operation during the SCP excavation process. (100% complete)

f. Versar began to excavate and backfill the SCP area on 8 June. (35% complete)

g. Versar placed the excavated SCP area soil on top of the north area native soil SVE System. (40% complete)

h. Versar pumped and treated approximately 280,000 gallons of contaminated water on a batch basis. Analytical results were submitted to IDEM, which approved the discharge of this water to the diversion channel. (100 % complete)

J:\Common\ENVCHEM\junmnrpt.wpd

i. On June 22, 1998, pursuant to the authorization IDEM provided Versar with a letter authorizing the continuous discharge of treated water. The on-site treatment system in a continuous operating mode processed and discharged one hundred and thirty-seven thousand gallons during the month of June. (100 % complete)

j. Versar completed installation of 150 linear feet of 20 foot long sheet pile on the eastern boundary of the SCP on 20 June. (100 % complete)

k. Versar uncovered two 4-inch diameter galvanized steel pipe wells and a 15-inch corrugated steel drain line during the excavation of the SCP along the western remedial boundary. One well was under artesian pressure and the other well was full of mud. Both wells were pumped out and tremie grouted with a bentonite-cement mix. The 15-inch diameter corrugated steel drain line ended 4-feet short of the south parcel 45 ditch. This line was removed and soil samples were taken by USEPA and the Trustees. (100 % complete)

l. One of the two 4-inch diameter galvanized steel pipe well in the SCP area, that had been closed, developed leaks around the exterior of the well casing. To minimize the amount of water entering the excavation, an earthen dam was constructed so that the hydraulic head would control the flow of water. Versar is in the process of mobilizing a well driller to over drill this well and tremie grout the well. (70 % complete)

m. A soft spot was discovered on 28 June directly east of the leaking well. Versar believes that this soft spot is due to either the horizontal migration of water from the adjacent leaking well or that another well or sand lens may be located in this area. The well driller will install well points to assist in dewatering this area, if necessary. (10 % complete)

n. During the excavation at the west boundary of the SCP, Versar was directed by the Site Engineer to excavate an additional 10' wide x 137' wide swath further westward (457 cubic yards) and to dig three test trenches beyond the new swath. USEPA conducted sidewall sampling of the new swath and with their concurrence, based upon the lack of contamination in the sidewall samples and the test trenches, this area was backfilled.

o. Environ continued weekly conference calls with USEPA, IDEM, Trustees and Versar on June 5, 12, 19, and 26, 1998.

(2) Validated Results and Other Data

The only data generated during this month relates to the process water from the SCP. This data was submitted under separate cover on June 17, 19, and 30, 1998, to IDEM.

(3) Additional Work Performed

There was no "Additional Work" within the meaning of the Consent Decree. Work completed this month under Revised Exhibit A includes the steps identified in items (1) a through (1) o above.

(4) Anticipated Activities for Next Month

a. Versar will continue to process water from the SCP excavation and exclusion zone. Laboratory analyses will be done to assure that discharge criteria are met.

b. Versar will complete the excavation, remove the shoring, place a liner on the northern face and complete backfill of the SCP area.

c. Versar will place the excavated SCP area soil on top of the north area native soil SVE System.

d. Versar will install the SVE System in the central area.

e. Versar will begin to install the Stage (1) cap on the north area.

(5) Problems & Resolution

Adverse weather has slowed excavation due to the need dewater. June has been one of the rainiest month on record for approximately the past 100 years. Versar requested and obtained IDEM approval for continuous operation of the on-site wastewater treatment system to facilitate dewatering of the excavation. In addition, the discovery of the previously not identified 4-inch wells and 15-inch corrugated drain line coupled with supplemental excavation to the west has caused additional time to complete the excavation of the SCP area.

Photographs of site activities taken during the month are attached.

If you have any questions, please feel free to call me at (215) 788-7844, Extension 222

Sincerely,

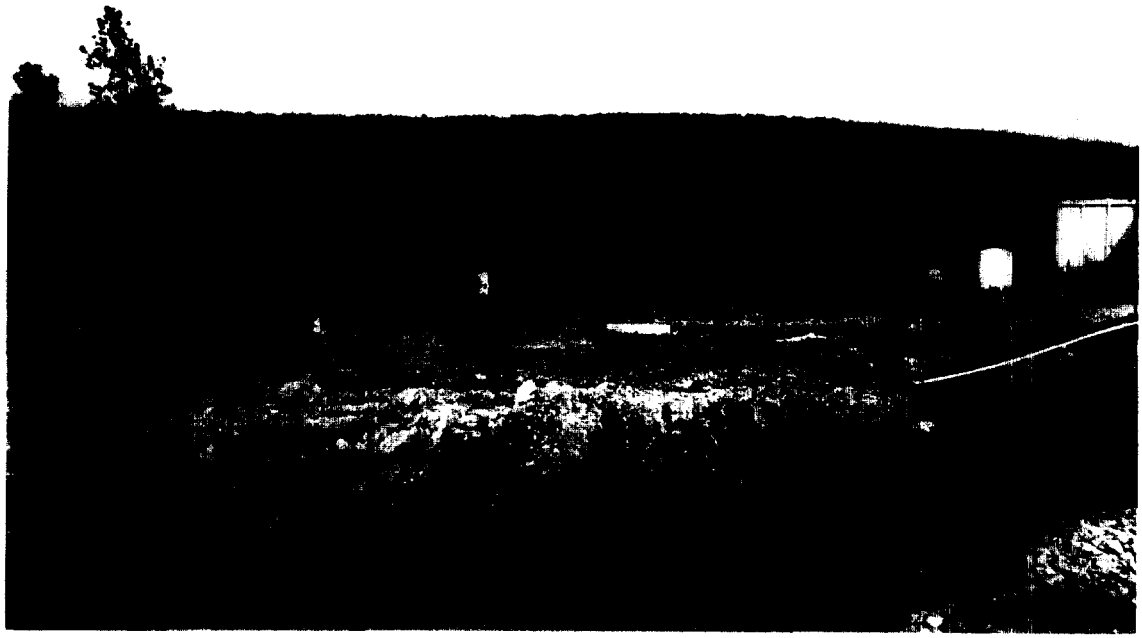
G. J. Anastos, Ph.D., P.E.
Project Manager

attachment

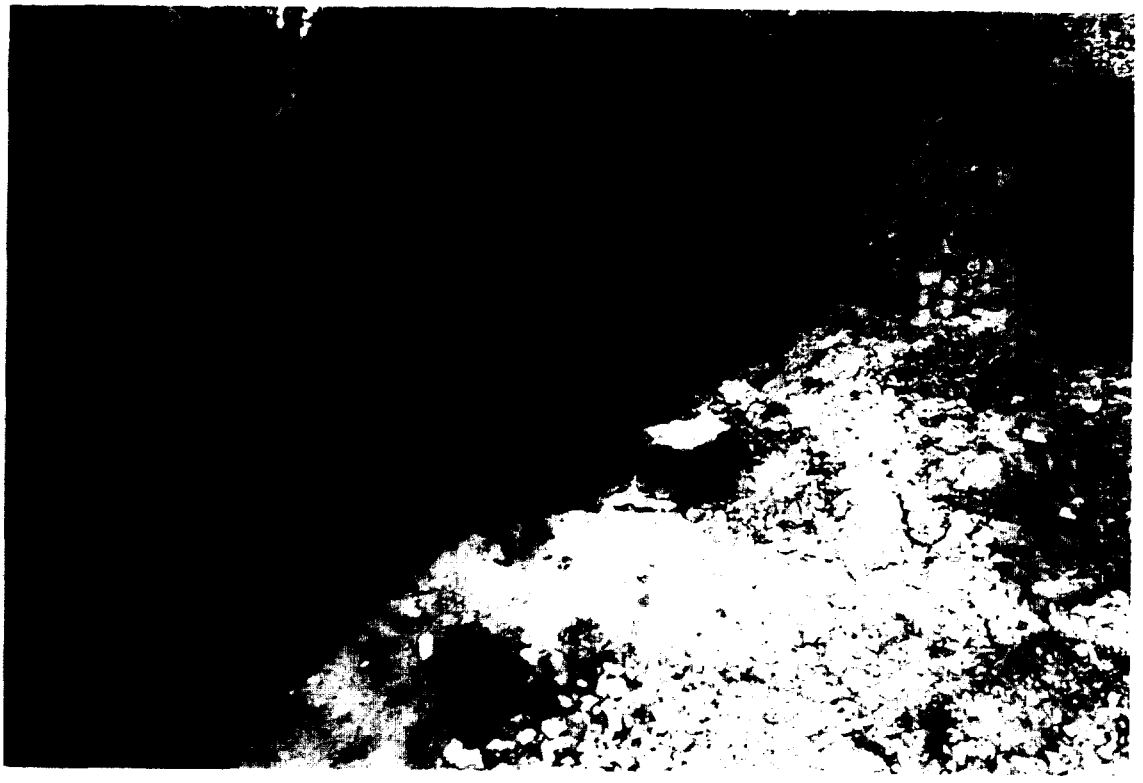
cc: D Basko (Versar)
R Ball (ENVIRON)
Joe Borucki (Versar)
N Bernstein (NEB & A)
M Dowiak (Radian)
J Freeman (DOJ)
C Gaffney (Versar)
R Hutchens (ENVIRON)
G Scarpone (Handex)

Site Photographs

Photograph #1: **View looking north shows the amount of rainwater in the first excavation swath. This is from one thunderstorm.**

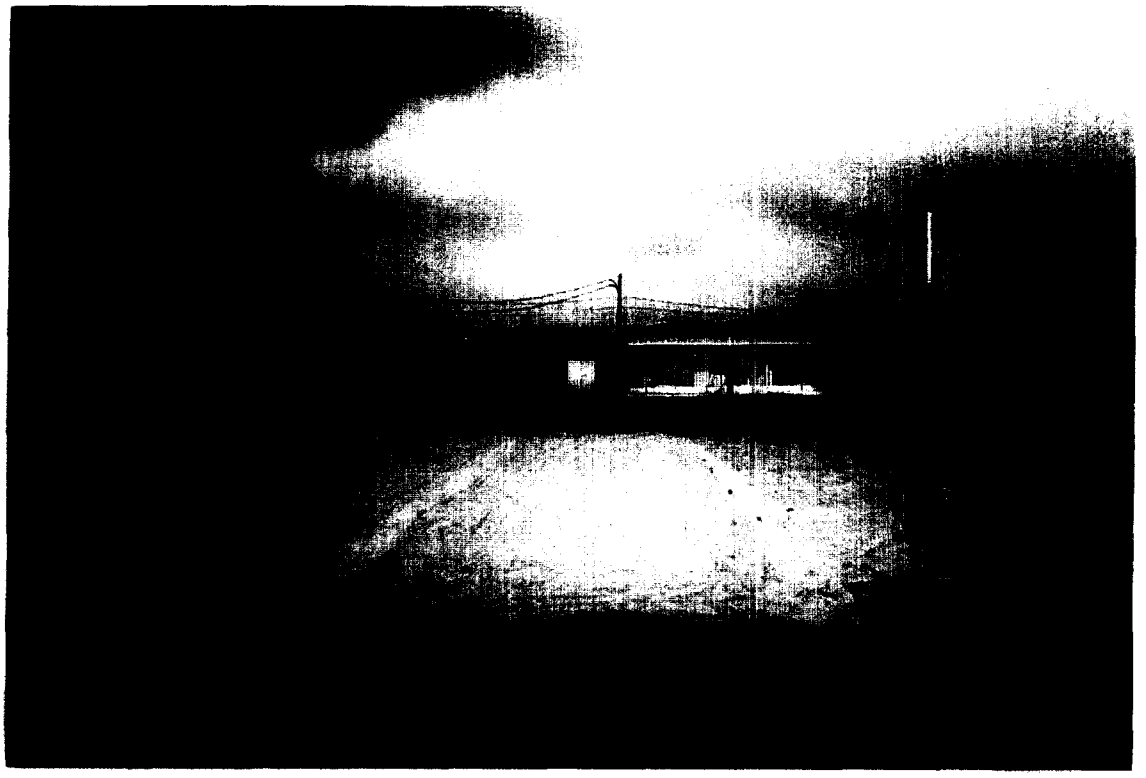


Photograph #2: **View looking east showing the start of installation of sheet pile wall.**

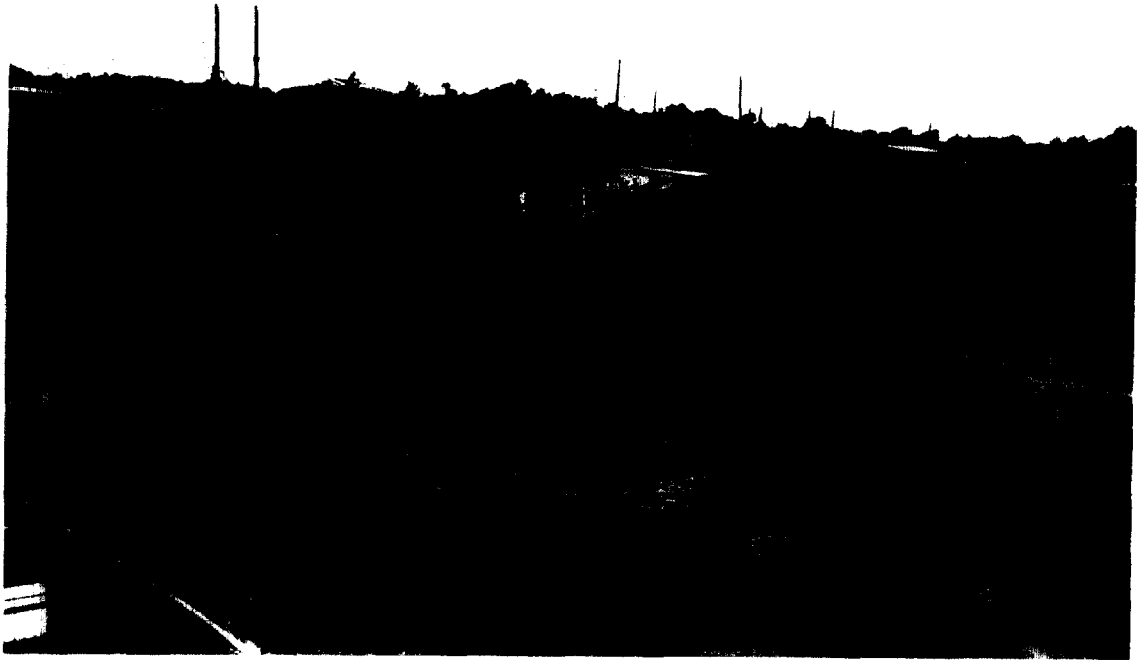


Photograph #3: View looking down into the excavation running east to west across the site road chasing the corrugated steel draining.

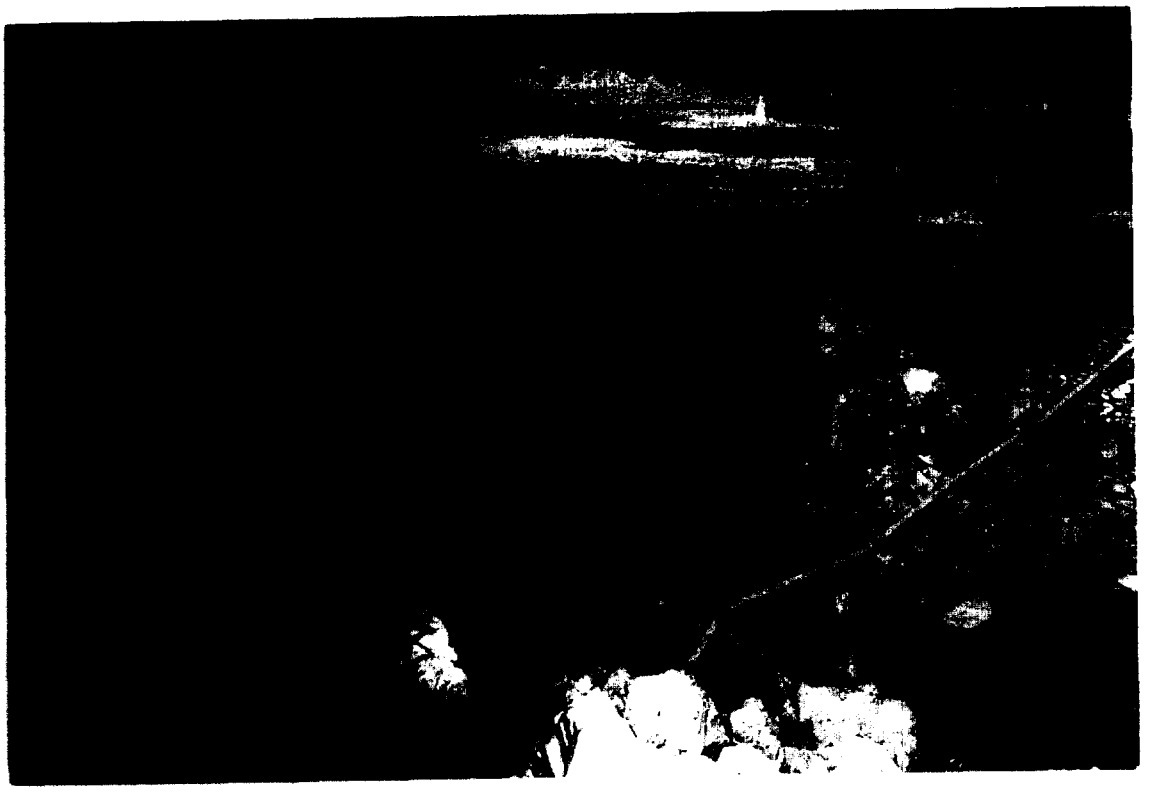
Photograph #4: View shows black slime material excavated out of the draining excavation.



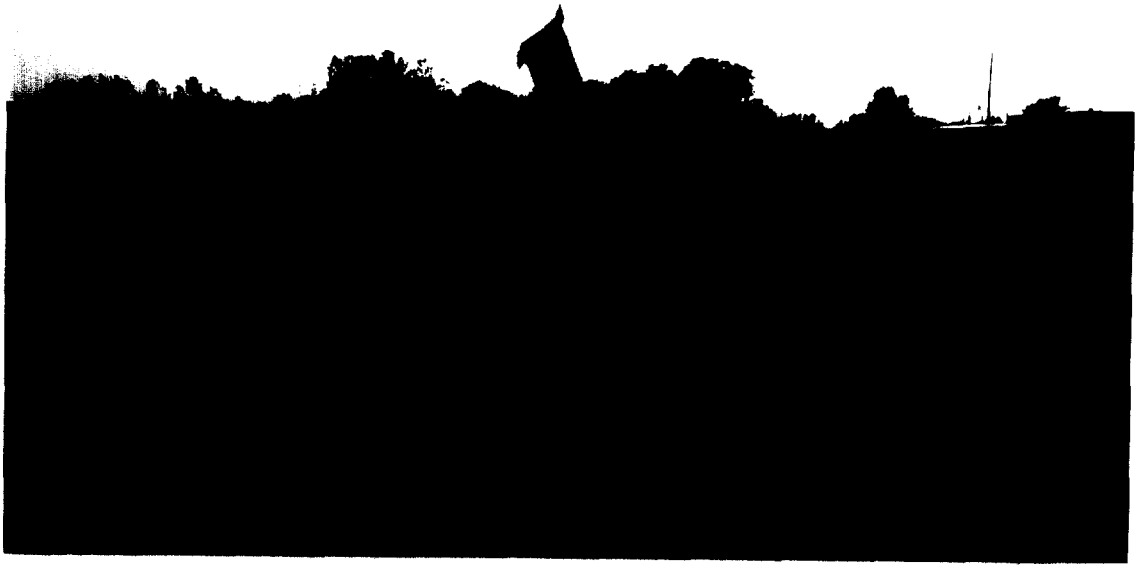
Photograph #5: **Photo looking west showing 10 mil Visqueen liner placed over a portion of the SVE trenches in the north field.**



Photograph #6: **Photo taken from the top of the Frac Tanks looking north shows the near completion of the first pass of excavation.**



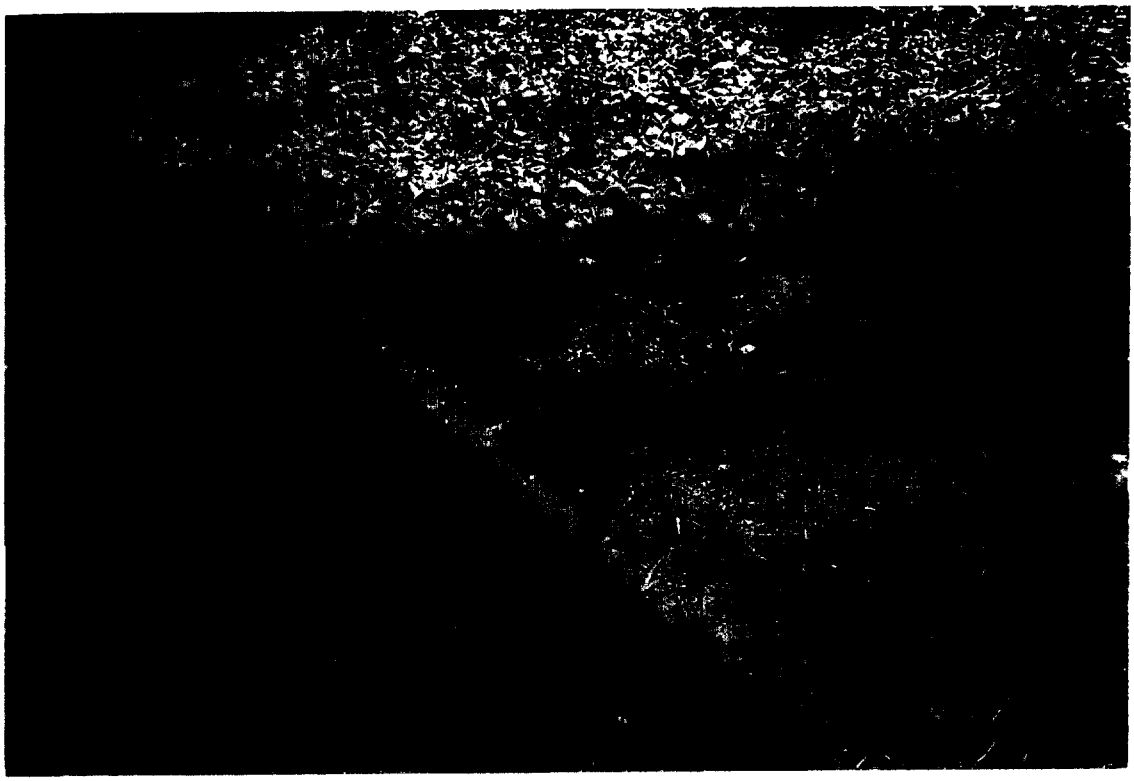
Photograph #7: **Photo looking east shows one of the two unearthed/unknown 4-inch steel casing wells.**



Photograph #8: **View looking south shows the dump truck unloading from the temporary haul road onto the north SVE field.**

Photograph # 9: **View looking north from the top of Frac Tank 1 showing the condition of the site after one thunderstorm.**

Photograph #10: **Example of seepage from the Northside Landfill at the unnamed ditch.**



Photograph #11: **Example of seepage from the Northside Landfill at the unnamed ditch.**

Photograph #12: **Air monitoring station.**